

REVERSIBLE THERMAL RECORDING MATERIAL

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Abstract of JP7108761

PURPOSE: To obtain a reversible thermal recording material capable of forming and erasing an image in good contrast by providing a reversible thermal recording layer containing an electron donating dye precursor and a specific electron acceptive compd. on a support. **CONSTITUTION:** An electron acceptive compd. represented by formula (wherein m is 1 or 2, n is 0 or 1, X is a methylene group, an oxygen atom, an NH group or an NHNH group and R is an aliphatic hydrocarbon group) and generating a reversible hue change in a colorless or light-colored electron donating dye precursor under heating and the colorless or light-colored electron donating dye precursor are dissolved or dispersed in a solvent to prepare a coating soln. This coating soln. is applied to a support such as paper, a nonwoven fabric or a synthetic resin film and dried to form a reversible thermal recording layer to obtain a reversible thermal recording material. As a concrete example of the electron acceptive compd. represented by the aforementioned formula, there is N-(4-hydroxybenzoyl)-N'-n-octanoylhydrazine.

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